

Unit 13

Family Letter

Reveal
MATH[®]

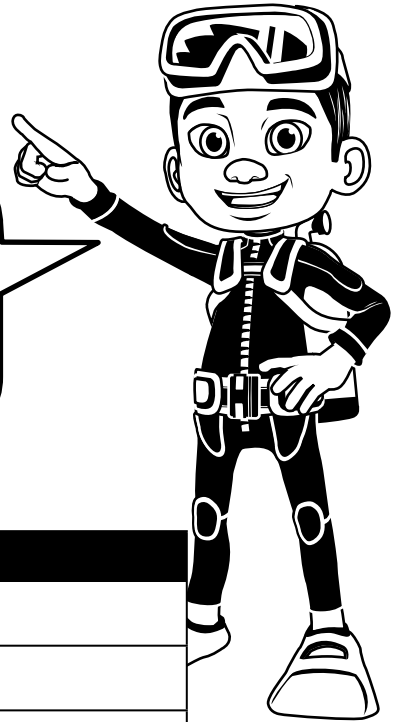
Dear Family,

In this unit, *Describe and Analyze 2-Dimensional Shapes*, your child will learn to recognize, name, and draw different polygons.

STEM Career Kid for this Unit

Hi, I'm Hiro.

I want to be a welder. I will use math in my job when I weld metal shapes together. I'll show students how I will use 2-dimensional shapes in my work.



What math terms will your child use?

Term	Student Understanding
pentagon	a polygon with 5 sides
octagon	a polygon with 8 sides
right angle	an angle that forms a square corner
rhombus	a quadrilateral with four sides of equal length
polygon	a closed 2-dimensional shape formed by three or more straight sides that do not cross
quadrilateral	a polygon with 4 sides

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What can your child do at home?

Have your child identify 2-dimensional shapes around your home. Have him or her sketch the shape and make notes about its attributes, such as how many sides and angles it has, whether it has any right angles, etc.

What Will Students Learn in This Unit?

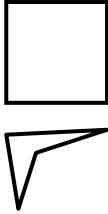
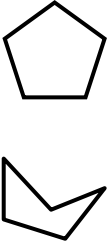
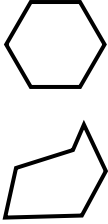
Quadrilaterals

Your child will learn about the different types of quadrilaterals. A quadrilateral has four sides and four angles. Based on attributes, such as the number of right angles or the number of equal side lengths, your child will learn to see the differences between quadrilaterals.

Type of Quadrilateral	Attributes	Example
Rectangle	quadrilateral with four right angles	
Rhombus	quadrilateral with four sides of equal length	
Square	quadrilateral with four right angles and four sides of equal length	

Polygons

Your child will be introduced to polygons. Based on the definition of a polygon, students will be able to determine whether or not a shape qualifies as a polygon. Students will also be able to classify polygons based on the number of side and angles.

Triangle	Quadrilateral	Pentagon	Hexagon	Octagon
3 sides 3 angles	4 sides 4 angles	5 sides 5 angles	6 sides 6 angles	8 sides 8 angles
				

Using Attributes to Identify Polygons

Your child will learn how to identify polygons from descriptions of their attributes. Students will narrow down the possible shapes based on how many sides or angles the shape has, the relationships between sides, and the relationships between angles.